

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0817
CALIBRATION DATE: 17-Apr-12

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000007e+000

rtca1 = 1.653385e-006

rtca2 = -3.409927e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000090	1.0000090	-0.0
4.5000	1.0000140	1.0000141	0.1
15.0000	1.0000250	1.0000245	-0.5
18.5000	1.0000260	1.0000263	0.3
24.0000	1.0000270	1.0000274	0.4
29.0000	1.0000270	1.0000266	-0.4
32.5000	1.0000250	1.0000251	0.1

$$\text{RTC frequency} = \text{rtca0} + \text{rtca1} * t + \text{rtca2} * t^2$$

$$\text{Residual} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$$

